

# DECLARATION FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. FULCP004X1

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **OPTIMIZATION OF CELL SUBTYPES IN A HIERARCHICAL DESIGN FLOW**, the specification of which,

- (check one)
1. ☐ is attached hereto.
2. ☒ was filed on July 14, 2003 as  
U.S. Application No. 10/620,330  
and was amended on \_\_\_\_\_.
3. ☐ was filed on \_\_\_\_\_ as  
International PCT Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CFR §1.56.

## Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority Benefits Claimed?
			Yes No
_____ (Appl. No.)	_____ (Country)	_____ (Date Filed- Day/Month/Year)	Yes No
_____ (Appl. No.)	_____ (Country)	_____ (Date Filed- Day/Month/Year)	Yes No

## Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>60/404,359</u> (Application No.)	<u>8/15/02</u> (Filing Date)
_____ (Application No.)	_____ (Filing Date)

## Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this applications is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>10/354,272</u> (Application No.)	<u>January 28, 2003</u> (Filing Date)	<u>Pending</u> (Status - patented, pending, abandoned)
_____ (Application No.)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

Send Correspondence To:

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Direct Telephone Calls To:

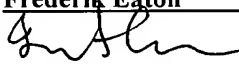
Joseph M. Villeneuve at telephone number (510) 843-6200

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of

Sole or First Inventor: Frederik Eaton

Citizenship: U.S.

Inventor's signature: 

Date of Signature: 2003/11/25

Residence: (City) Pasadena

(State/Country) California/U.S.

Post Office Address: ~~236 S Mentor Avenue, Apt. #4, Pasadena, California 91106~~  
167 S Oak Knoll #12 Pasadena CA 91101

Full Name of Second Joint  
Inventor (if any):

Peter Beerel

Citizenship: U.S.

Inventor's signature: 

Date of Signature: 11/20/03

Residence: (City) Encino

(State/Country) California/U.S.

Post Office Address: 17846 Palora Street, Encino, California 91316



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eaton et al.

Attorney Docket No.: FULCP004X1

Application No.: 10/620,330

Examiner: Not yet assigned

Filed: July 14, 2003

Group: Not yet assigned

Title: OPTIMIZATION OF CELL SUBTYPES IN  
A HIERARCHICAL DESIGN FLOW

**POWER OF ATTORNEY BY ASSIGNEE, 37 CFR §3.73 STATEMENT, AND EXCLUSION  
OF INVENTOR UNDER 37 CFR §3.71**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Fulcrum Microsystems Inc.** is the assignee of the above-referenced patent application  
by virtue of an assignment document. The assignment document is/was recorded:

☐ at Reel \_\_\_, Frame(s) \_\_\_

☐ on \_\_\_\_\_

☒ submitted concurrently herewith

The assignee represents, pursuant to 37 C.F.R. §3.73(b), that the undersigned is a representative  
authorized and empowered to sign on behalf of the assignee.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of  
attorney previously given and hereby appoints the law firm of Beyer Weaver & Thomas, LLP  
and all practitioners who are associated with the **Customer Number 022434** as prime attorneys  
to prosecute this application and transact all business in the Patent and Trademark Office  
connected therewith.

Please send all correspondence for this application as follows:

**Customer Number 022434**  
**BEYER WEAVER & THOMAS, LLP**  
P.O. Box 778  
Berkeley, CA 94704-0778


Please direct any calls to **Joseph M. Villeneuve** (510) 843-6200.

Further, pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Assignee of Interest:

Fulcrum Microsystems Inc.  
26775 Malibu Hills Road, Suite 200  
Calabasas Hills, California 91301

Date 12/1/2003

  
\_\_\_\_\_  
Name: Alain Gravel  
Title: VP Engineering

Applicant/Patentee: Fulcrum Microsystems Inc.

Application or Patent No. 10/620,330

Atty Docket #FULCP004X1

Filed or Issued: July 14, 2003

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
37 CFR 1.9(f) and 1.27(c)--SMALL BUSINESS CONCERN

I hereby declare that I am

☐ the owner of the small business concern identified below:

☒ an official empowered to act on behalf of the small business concern identified below:

NAME OF CONCERN: Fulcrum Microsystems Inc.

ADDRESS: 26775 Malibu Hills Road, Suite 200, Calabasas Hills, CA 91301

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under 41(a) and (b) of Title 35, U.S. Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled: OPTIMIZATION OF CELL SUBTYPES IN A HIERARCHICAL DESIGN FLOW, by inventor(s) Frederik Eaton and Peter Beerel, described in

☐ the specification filed herewith.

☒ Application No. 10/620,330 filed July 14, 2003

☐ patent # \_\_\_\_\_ issued \_\_\_\_\_

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

\*Note: separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

☐ individual ☐ small business concern ☐ nonprofit organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the U.S. Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Alain Gravel

TITLE IN ORGANIZATION: VP Engineering

SIGNATURE

Alain Gravel

DATE

12/1/2003